



# FACTOIDS: Drinking Water and Ground Water Statistics for 2006

Office of Water (4606M)  
EPA 816-K-08-003  
March 2008  
[www.epa.gov/safewater/data](http://www.epa.gov/safewater/data)

There are approximately 157,000 public drinking water systems in the United States. Each of these systems regularly supplies drinking water to at least 25 people or 15 service connections. Beyond their common purpose, the 157,000 systems vary widely. The following tables group water systems into categories that show their similarities and differences. For example, the first table shows that most people in the US (282 million) get their water from a community water system. There are approximately 52,000 community water systems, but just eight percent of those systems (4,048) serve 81 percent of the people. The second table shows that more water systems have ground water than surface water as a source--but more people drink from a surface water system. Other tables break down these national numbers by state, territory, and EPA region.

This package also contains figures on the types and locations of underground injection control wells. EPA and states regulate the placement and operation of these wells to ensure that they do not threaten underground sources of drinking water. The underground injection control program statistics are based on separate reporting from the states to EPA.

The drinking water system statistics on the following pages are taken from the Safe Drinking Water Information System/Federal version (SDWIS/Fed). SDWIS/Fed is the U.S. Environmental Protection Agency's official record of public drinking water systems, their violations of state and EPA regulations, and enforcement actions taken by EPA or states as a result of those violations. EPA maintains the database using information collected and submitted by the states.

Notice: Compliance statistics are based on violations reported by states to the EPA Safe Drinking Water Information System. EPA is aware of inaccuracies and underreporting of some data in this system. We are working with the states to improve the quality of the data. An analysis of SDWIS/Fed data quality is available at [www.epa.gov/safewater/data/reports.html](http://www.epa.gov/safewater/data/reports.html)

For more information and additional drinking water data tables, please visit <http://www.epa.gov/safewater/data/getdata.html>.

### **Acronyms & Abbreviations:**

CWS: Community Water System

FY: (federal) Fiscal Year [October 1-September 30]

GPRA: Government Performance and Results Act--program measures

M/R: Monitoring/Reporting violation [water system's failure to monitor for, or report to the state, the level of a contaminant on the required schedule]

MCL: Maximum Contaminant Level [the legal limit on a contaminant in drinking water]

MRDL: Maximum Residual Disinfectant Level [for disinfectants added to drinking water]

NTNCWS: Non-Transient Non-Community Water System

Other: Other violations of EPA rules (including failure to provide public notice of another violation, or failure to prepare and/or distribute a Consumer Confidence Report)

Pop. Served: Population served (by a water system)

PWS: Public Water System

PWSS: Public Water System Supervision program

SDWIS/FED: Safe Drinking Water System/Federal version

TNCWS: Transient Non-Community Water System

TT: Treatment Technique [a drinking water treatment required by EPA or state rules]

# FY2006 Drinking Water Factoids

## Public Water System Inventory data

Active, current systems, from Safe Drinking Water Information System/Federal version (SDWIS/FED) 06Q3 frozen inventory table

### System size

by population served

		Very Small 500 or less	Small 501-3,300	Medium 3,301-10,000	Large 10,001-100,000	Very Large >100,000	Total
<b>CWS</b>	# systems	29,448	14,098	4,745	3,659	389	52,339
	Pop. served	4,895,672	20,017,471	27,473,308	103,300,712	126,012,965	281,700,128
	% of systems	56%	27%	9%	7%	1%	100%
	% of pop	2%	7%	10%	37%	45%	100%
<b>NTNCWS</b>	# systems	16,259	2,659	108	19		19,045
	Pop. served	2,260,664	2,668,373	585,699	493,570		6,008,306
	% of systems	85%	14%	1%	0%	0%	100%
	% of pop	38%	44%	10%	8%	0%	100%
<b>TNCWS</b>	# systems	82,387	2,745	107	17	4	85,260
	Pop. served	7,260,684	2,691,455	580,359	454,222	2,994,000	13,980,720
	% of systems	97%	3%	0%	0%	0%	100%
	% of pop	52%	19%	4%	3%	21%	100%
Total # syster		128,094	19,502	4,960	3,695	393	156,644

**CWS** = Community Water System: A public water system that supplies water to the same population year-round.

**NTNCWS** = Non-Transient Non-Community Water System: A public water system that regularly supplies water to at least 25 of the same people at least six months per year, but not year-round. Some examples are schools, factories, office buildings, and hospitals which have their own water systems.

**TNCWS** = Transient Non-Community Water System: A public water system that provides water in a place such as a gas station or campground where people do not remain for long periods of time.

### Water source

Type		Ground Water	Surface Water	Totals
<b>CWS</b>	# systems	40,315	12,024	52,339
	Pop. served	85,034,929	196,665,199	281,700,128
	% of systems	77%	23%	100%
	% of pop	30%	70%	100%
<b>NTNCWS</b>	# systems	18,429	616	19,045
	Pop. served	5,406,675	601,631	6,008,306
	% of systems	97%	3%	100%
	% of pop	90%	10%	100%
<b>TNCWS</b>	# systems	83,356	1,904	85,260
	Pop. served	11,281,394	2,699,326	13,980,720
	% of systems	98%	2%	100%
	% of pop	81%	19%	100%
Total # syster		142,100	14,544	156,644

Ground water systems = ground water (GW), purchased ground water (GWP)

Surface water systems = surface water (SW), purchased surface water (SWP),  
ground water under the direct influence of surface water (GU),  
purchased ground water under the direct influence of surface water (GUP).

SDWIS/FED 06Q3 tables were "frozen" in early October 2006

# FY2006 water system data--by State

Active, current systems, from SDWIS/FED 06Q3 frozen inventory table

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 06Q3 frozen violations table

Key:

# systems
Pop served

	CWS NTNCWS		TNCWS	Total	Ground	Surface	CWSs w/ reported health-based violations	
AK	453	229	864	1,546	1,288	258	97	21%
	471,252	52,477	100,658	624,387	318,286	306,101	58,705	12%
AL	544	29	63	636	357	279	17	3%
	5,345,087	19,198	7,046	5,371,331	1,258,086	4,113,245	87,219	2%
AR	714	34	342	1,090	689	401	109	15%
	2,559,094	8,699	22,451	2,590,244	923,297	1,666,947	250,487	10%
AZ	804	205	593	1,602	1,545	57	70	9%
	5,400,027	126,116	117,997	5,644,140	2,721,908	2,922,232	242,912	4%
CA	3,040	1,385	2,895	7,320	6,075	1,245	253	8%
	36,220,152	389,439	1,735,505	38,345,096	7,448,590	30,896,506	367,367	1%
CO	842	164	946	1,952	1,470	482	61	7%
	5,039,343	87,218	272,207	5,398,768	679,379	4,719,389	104,559	2%
CT	577	615	1,544	2,736	2,648	88	80	14%
	2,669,471	119,713	57,603	2,846,787	406,244	2,440,543	115,478	4%
DC	3	2		5		5	1	33%
	606,000	3,570		609,570		609,570	595,000	98%
DE	216	105	195	516	511	5	20	9%
	861,114	28,882	58,879	948,875	466,591	482,284	162,914	19%
FL	1,853	952	3,223	6,028	5,944	84	181	10%
	17,866,926	252,291	284,854	18,404,071	15,122,366	3,281,705	808,862	5%
GA	1,712	223	523	2,458	2,205	253	100	6%
	7,417,286	66,725	82,324	7,566,335	1,557,289	6,009,046	383,761	5%
HI	114	14	2	130	109	21	10	9%
	1,323,144	11,185	375	1,334,704	472,141	862,563	92,622	7%
IA	1,140	139	711	1,990	1,828	162	68	6%
	2,641,647	47,533	86,197	2,775,377	1,502,940	1,272,437	214,499	8%
ID	750	234	1,017	2,001	1,925	76	118	16%
	1,011,501	51,216	110,891	1,173,608	916,425	257,183	123,004	12%
IL	1,775	426	3,667	5,868	5,143	725	187	11%
	11,706,050	137,309	381,709	12,225,068	3,382,929	8,842,139	879,757	8%
IN	837	677	2,892	4,406	4,278	128	85	10%
	4,672,755	199,833	397,909	5,270,497	2,898,112	2,372,385	129,284	3%
KS	904	49	99	1,052	677	375	122	13%
	2,564,773	19,481	4,154	2,588,408	705,079	1,883,329	345,805	13%
KY	411	37	62	510	165	345	51	12%
	4,756,419	14,678	7,729	4,778,826	392,494	4,386,332	437,180	9%
LA	1,085	164	269	1,518	1,422	96	160	15%
	4,924,464	70,197	62,010	5,056,671	2,992,726	2,063,945	747,802	15%
MA	524	256	951	1,731	1,510	221	48	9%
	8,956,761	70,817	184,723	9,212,301	1,922,729	7,289,572	584,726	7%
MD	501	574	2,564	3,639	3,542	97	36	7%
	4,871,478	167,796	185,294	5,224,568	925,504	4,299,064	63,627	1%
ME	387	373	1,195	1,955	1,867	88	93	24%
	616,287	70,940	191,800	879,027	460,959	418,068	93,436	15%
MI	1,444	1,537	8,743	11,724	11,413	311	156	11%
	7,509,641	360,880	1,025,428	8,895,949	3,124,003	5,771,946	138,773	2%
MN	964	543	5,885	7,392	7,277	115	42	4%
	4,130,759	88,570	530,935	4,750,264	3,408,897	1,341,367	226,986	5%
MO	1,472	242	1,026	2,740	2,484	256	193	13%
	5,052,913	76,630	121,651	5,251,194	1,805,324	3,445,870	308,480	6%
MS	1,152	85	102	1,339	1,327	12	38	3%
	3,083,940	74,732	21,527	3,180,199	2,834,757	345,442	108,942	4%

# FY2006 water system data--by State

Active, current systems, from SDWIS/FED 06Q3 frozen inventory table

Key:

# systems  
Pop served

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 06Q3 frozen violations table

CWSs w/ reported  
health-based  
violations

	CWS	NTNCWS	TNCWS	Total	Ground	Surface		
MT	678	222	1,176	2,076	1,848	228	75	11%
	682,686	61,048	178,240	921,974	518,462	403,512	49,287	7%
NC	2,155	528	4,057	6,740	6,288	452	321	15%
	6,778,136	145,932	348,483	7,272,551	1,899,378	5,373,173	486,402	7%
ND	326	24	162	512	412	100	23	7%
	555,089	3,757	14,563	573,409	218,583	354,826	48,391	9%
NE	598	185	565	1,348	1,291	57	118	20%
	1,415,489	53,661	61,515	1,530,665	740,599	790,066	147,232	10%
NH	710	448	1,223	2,381	2,313	68	119	17%
	828,142	94,654	317,466	1,240,262	690,495	549,767	122,532	15%
NJ	583	834	2,485	3,902	3,794	108	32	5%
	8,543,186	290,716	422,025	9,255,927	3,653,616	5,602,311	436,907	5%
NM	644	160	479	1,283	1,209	74	89	14%
	1,612,351	44,192	95,326	1,751,869	1,491,428	260,441	196,600	12%
NV	233	106	249	588	552	36	38	16%
	2,415,324	40,642	25,105	2,481,071	306,591	2,174,480	121,761	5%
NY	2,779	759	6,224	9,762	8,409	1,353	208	7%
	17,858,056	329,652	2,883,683	21,071,391	5,420,656	15,650,735	8,417,539	47%
OH	1,302	930	3,152	5,384	5,034	350	110	8%
	10,126,083	217,450	461,279	10,804,812	3,413,427	7,391,385	1,326,954	13%
OK	1,135	110	358	1,603	861	742	207	18%
	3,530,467	20,709	27,335	3,578,511	613,756	2,964,755	900,627	26%
OR	874	339	1,428	2,641	2,341	300	104	12%
	3,015,150	73,710	224,877	3,313,737	770,967	2,542,770	107,250	4%
PA	2,106	1,171	6,352	9,629	8,997	632	148	7%
	10,598,998	491,461	824,595	11,915,054	2,506,093	9,408,961	455,321	4%
RI	84	77	323	484	459	25	17	20%
	978,901	26,704	55,281	1,060,886	212,408	848,478	161,197	16%
SC	640	156	616	1,412	1,145	267	60	9%
	3,438,750	60,052	36,007	3,534,809	609,132	2,925,677	774,275	23%
SD	462	27	183	672	534	138	52	11%
	661,532	11,940	25,555	699,027	288,036	410,991	48,000	7%
TN	690	43	389	1,122	591	531	60	9%
	5,632,861	31,206	58,648	5,722,715	1,504,713	4,218,002	771,800	14%
TX	4,472	787	1,212	6,471	5,307	1,164	416	9%
	23,373,519	309,927	251,173	23,934,619	7,113,604	16,821,015	2,373,847	10%
UT	448	64	430	942	884	58	52	12%
	2,402,359	27,448	69,633	2,499,440	1,820,835	678,605	135,709	6%
VA	1,250	586	1,218	3,054	2,651	403	162	13%
	6,349,446	322,708	195,556	6,867,710	829,476	6,038,234	318,184	5%
VT	451	236	684	1,371	1,245	126	71	16%
	449,212	41,678	103,591	594,481	314,711	279,770	68,111	15%
WA	2,257	328	1,532	4,117	3,810	307	240	11%
	5,722,310	135,873	410,788	6,268,971	2,687,380	3,581,591	209,613	4%
WI	1,081	1,044	9,285	11,410	11,358	52	99	9%
	3,920,038	196,578	689,634	4,806,250	3,035,925	1,770,325	581,777	15%
WV	516	150	510	1,176	835	341	53	10%
	1,438,527	43,690	34,200	1,516,417	306,163	1,210,254	126,224	9%
WY	281	85	393	759	636	123	27	10%
	452,042	18,340	80,340	550,722	184,081	366,641	17,875	4%
	50,973	18,692	85,058	154,723	140,503	14,220	5,297	
	275,056,938	5,709,853	13,946,754		99,797,570	194,915,975	26,075,602	

## FY2006 water system data--Tribal

Active, current systems, from SDWIS/FED 06Q3 frozen inventory table

Key:

# systems
Pop served

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 06Q3 frozen violations table

CWSs w/ reported health-based violations

Region	CWS	NTNCWS	TNCWS	Total	Ground	Surface		
01	1	2	2	5	5			0%
	41,000	60	70	41,130	41,130			0%
02	8	1	1	10	8	2		0%
	8,580	175	200	8,955	4,855	4,100		0%
04	16	2	17	35	34	1	3	19%
	19,436	1,107	1,890	22,433	12,933	9,500	3,318	17%
05	79	26	8	113	111	2	1	1%
	87,687	24,485	1,313	113,485	112,996	489	30	0%
06	47	17	12	76	72	4	3	6%
	60,413	69,885	719	131,017	125,167	5,850	4,928	8%
07	9		5	14	13	1	1	11%
	4,519		2,650	7,169	6,469	700	700	15%
08	114	11	3	128	103	25	18	16%
	94,373	4,940	860	100,173	67,912	32,261	18,395	19%
09	241	49	35	325	306	19	35	15%
	255,999	81,633	7,773	345,405	314,999	30,406	61,610	24%
10	82	18	12	112	99	13	3	4%
	45,918	13,020	3,183	62,121	47,608	14,513	2,525	5%
Navajo Nation	150	4	5	159	154	5	4	3%
	137,507	2,505	1,068	141,080	123,798	17,282	9,790	7%
	747	130	100	977	905	72	68	
	755,432	197,810	19,726		857,867	115,101	101,296	

## FY2006 water system data--Commonwealths and Territories

Active, current systems, from SDWIS/FED 06Q3 frozen inventory table

Key:

# systems
Pop served

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 06Q3 frozen violations table

CWSs w/ reported health-based violations

	CWS	NTNCWS	TNCWS	Total	Ground	Surface		
Amer. Samoa	19			19	13	6	11	58%
	51,435			51,435	5,277	46,158	48,000	93%
Guam	5	2		7	4	3		0%
	193,754	620		194,374	154,370	40,004		0%
N. Marianas	65	27	11	103	99	4	1	2%
	95,983	7,625	1,298	104,906	38,424	66,482	140	0%
Puerto Rico	456	53	5	514	278	236	234	51%
	5,467,618	45,462	2,314	5,515,394	801,958	4,713,436	3,602,485	66%
Virgin Islands	74	141	86	301	298	3		0%
	78,968	46,936	10,628	136,532	67,532	69,000		0%
	619	223	102	944	692	252	246	
	5,887,758	100,643	14,240		1,067,561	4,935,080	3,650,625	

## Government Performance and Results Act (GPRA)-- Strategic Sub-objective For Drinking Water 2.1.1

GPRA requires agencies to develop plans for what they intend to accomplish, measure how well they are doing, make appropriate decisions based on the information they have gathered, and communicate information about their performance to Congress and to the public.

EPA Strategic Objective 2.1: Protect Public Health, Sub-objective 2.1.1: Water Safe To Drink: By 2008, 95% of the population served by community water systems will receive drinking water that meets all applicable health-based drinking water standards through effective treatment and source water protection. (2002 Baseline: 93.6 percent of population; note that year-to-year performance is expected to change over time as new standards take effect.)

Notice: These measures are based on violations reported by states to the EPA Safe Drinking Water Information System. EPA is aware of inaccuracies and underreporting of some data in this system. We are working with the states to improve the quality of the data.

By EPA region											
Nationally	1	2	3	4	5	6	7	8	9	10	
<b>2006</b>	89.4%	92%	61%	93%	93%	92%	88%	91%	96%	98%	95%
<b>2005</b>	88.5%	92%	55%	93%	93%	94%	88%	91%	95%	95%	95%
<b>2004</b>	90.0%	93%	80%	85%	93%	96%	92%	92%	92%	86%	93%
<b>2003</b>	89.6%	89%	54%	95%	93%	95%	93%	93%	92%	98%	93%
<b>2002</b>	93.6%	88%	81%	98%	96%	94%	93%	95%	97%	99%	91%
<b>2001</b>	90.8%	65%	77%	98%	95%	92%	96%	90%	94%	97%	83%
<b>2000</b>	90.7%	62%	76%	97%	95%	95%	96%	95%	94%	94%	83%
<b>1999</b>	90.5%	75%	61%	98%	95%	95%	95%	95%	94%	97%	94%
<b>1998</b>	89.0%	64%	60%	97%	95%	95%	95%	94%	93%	95%	89%
<b>1997</b>	86.5%	62%	55%	97%	93%	92%	93%	95%	91%	95%	74%
<b>1996</b>	85.6%	60%	53%	92%	93%	92%	94%	95%	92%	91%	74%
<b>1995</b>	83.8%	57%	52%	91%	92%	92%	88%	95%	90%	88%	75%
<b>1994</b>	83.0%	57%	55%	87%	90%	88%	87%	94%	91%	90%	87%
<b>1993</b>	78.8%	60%	56%	85%	90%	77%	92%	93%	92%	69%	85%
	CT	NJ	DE	AL	IL	AR	IA	CO	AZ	AK	
	ME	NY	DC	FL	IN	LA	KS	MT	CA	ID	
	MA	PR	MD	GA	MI	NM	MO	ND	HI	OR	
	NH	VI	PA	KY	MN	OK	NE	SD	NV	WA	
	RI		VA	MS	OH	TX		UT	AS		
	VT		WV	NC	WI			WY	GU		
				SC					MP		
				TN					PW		

Health-based violations include Maximum Contaminant Level (MCL), Maximum Residual Disinfectant Level (MRDL) and Treatment Technique (TT) violations.

Population data are based on active, current water systems

For FY2006, population and violation data are from SDWIS/FED 06Q3 frozen tables.

For FY2005, population and violation data are from SDWIS/FED 05Q4 frozen tables.

For FY2004, population and violation data are from SDWIS/FED 04Q4 frozen tables.

For FY2003, population and violation data are from SDWIS/FED 03Q4 frozen tables.

For FY2002, population and violation data are from SDWIS/FED 02Q4 frozen tables.

For FY2001, population and violation data are from SDWIS/FED 01Q4 frozen tables. CA population data from 00Q4 frozen tables

For FY2000, population and violation data are from SDWIS/FED 00Q4 frozen tables.

For FY1999, population and violation data are from SDWIS/FED 99Q4 frozen tables.

For FY1998, population and violation data are from SDWIS/FED 98Q4 frozen tables.

For FY1997 and earlier, population and violation data are from SDWIS/FED 98Q1 frozen tables.



## Government Performance and Results Act (GPRA)-- Strategic Targets for Regulations In Place Before 12/2001

GPRA requires agencies to develop plans for what they intend to accomplish, measure how well they are doing, make appropriate decisions based on the information they have gathered, and communicate information about their performance to Congress and to the public.

EPA Strategic Targets: by 2008, 95% of community water systems and 95% of the population served by them will provide drinking water that meets all existing health-based standards with which systems need to comply as of December 2001. (2002 Baseline: 93.6% of the population, 91.6 percent of systems).

Notice: These measures are based on violations reported by states to the EPA Safe Drinking Water Information System. EPA is aware of inaccuracies and underreporting of some data in this system. We are working with the states to improve the quality of the data.

### % Population served

		By EPA region									
Nationally		1	2	3	4	5	6	7	8	9	10
2006	91.5%	94%	65%	95%	96%	93%	92%	95%	97%	98%	96%
2005	91.0%	93%	62%	95%	95%	95%	94%	94%	96%	95%	95%
2004	92.2%	94%	86%	92%	95%	96%	96%	93%	93%	86%	93%
2003	91.0%	90%	59%	97%	94%	95%	96%	94%	93%	98%	93%
2002	93.7%	88%	81%	98%	96%	94%	94%	95%	97%	99%	91%

**% Systems** The systems measure was added to provide context to the population-based measure because it is less volatile and is not biased towards large systems.

		By EPA region									
Nationally		1	2	3	4	5	6	7	8	9	10
2006	91.7%	86%	90%	93%	94%	92%	93%	91%	92%	91%	88%
2005	91.7%	87%	88%	94%	94%	93%	93%	90%	92%	92%	87%
2004	91.8%	87%	90%	92%	94%	93%	93%	90%	92%	92%	87%
2003	92.1%	86%	90%	93%	93%	94%	93%	89%	92%	95%	88%
2002	91.6%	86%	89%	92%	94%	93%	93%	87%	92%	95%	87%
		CT	NJ	DE	AL	IL	AR	IA	CO	AZ	AK
		ME	NY	DC	FL	IN	LA	KS	MT	CA	ID
		MA	PR	MD	GA	MI	NM	MO	ND	HI	OR
		NH	VI	PA	KY	MN	OK	NE	SD	NV	WA
		RI		VA	MS	OH	TX		UT	AS	
		VT		WV	NC	WI			WY	GU	
					SC					MP	
					TN					PW	

Health-based violations include Maximum Contaminant Level (MCL) and Treatment Technique (TT) violations.

Population data are based on active, current water systems

For FY2006, population and violation data are from SDWIS/FED 06Q3 frozen tables.

For FY2005, population and violation data are from SDWIS/FED 05Q4 frozen tables.

For FY2004, population and violation data are from SDWIS/FED 04Q4 frozen tables.

For FY2003, population and violation data are from SDWIS/FED 03Q4 frozen tables.

For FY2002, population and violation data are from SDWIS/FED 02Q4 frozen tables.

## Government Performance and Results Act (GPRA)-- Strategic Targets for Regulations In Place After 2001

GPRA requires agencies to develop plans for what they intend to accomplish, measure how well they are doing, make appropriate decisions based on the information they have gathered, and communicate information about their performance to Congress and to the public.

EPA Strategic Targets: by 2008, 80% of community water systems and 95% of the population served by them will provide drinking water that meets all existing health-based standards with a compliance date of January 2002 or later.

Notice: These measures are based on violations reported by states to the EPA Safe Drinking Water Information System. EPA is aware of inaccuracies and underreporting of some data in this system. We are working with the states to improve the quality of the data.

Applicable standards in FY2006:

- \* Interim Enhanced Surface Water Treatment Rule--CWSs w/ surface water sources serving 10,000 or more people
- \* Disinfection By-Products (DBP) Rule for CWSs that disinfect. In FY2003, this rule applied to systems serving >10,000 people

### % Population served

Nationally		By EPA region									
		1	2	3	4	5	6	7	8	9	10
2006	97.3%	98%	97%	97%	97%	99%	94%	97%	98%	99%	99%
2005	97.2%	99%	97%	97%	97%	99%	93%	97%	98%	99%	99%
2004	99.2%	99%	99%	100%	99%	100%	98%	99%	99%	100%	100%
2003	93.1%	96%	76%	92%	93%	99%	86%	92%	98%	100%	100%

**% Systems** The systems measure was added to provide context to the population-based measure because it is less volatile and is not biased towards large systems.

Nationally		By EPA region									
		1	2	3	4	5	6	7	8	9	10
2006	96.9%	98%	90%	98%	97%	99%	95%	97%	99%	100%	99%
2005	96.3%	99%	85%	98%	98%	99%	93%	97%	99%	99%	100%
2004	96.6%	99%	84%	92%	98%	100%	96%	99%	99%	100%	100%
2003	95.7%	98%	79%	98%	97%	100%	94%	97%	99%	100%	100%
		CT	NJ	DE	AL	IL	AR	IA	CO	AZ	AK
		ME	NY	DC	FL	IN	LA	KS	MT	CA	ID
		MA	PR	MD	GA	MI	NM	MO	ND	HI	OR
		NH	VI	PA	KY	MN	OK	NE	SD	NV	WA
		RI		VA	MS	OH	TX		UT	AS	
		VT		WV	NC	WI			WY	GU	
					SC					MP	
					TN					PW	

Health-based violations include Maximum Contaminant Level (MCL), Maximum Residual Disinfectant Level (MRDL), and Treatment Technique (TT) violations.

Population data are based on all active Community Water Systems

For FY2006, population and violation data are from SDWIS/FED 06Q3 frozen tables.

For FY2005, population and violation data are from SDWIS/FED 05Q4 frozen tables.

For FY2004, population and violation data are from SDWIS/FED 04Q4 frozen tables.

For FY2003, population and violation data are from SDWIS/FED 03Q4 frozen tables.

## CWS violations reported by FY

FY2006 data from SDWIS/FED 06Q3 frozen tables

FY2005 data from SDWIS/FED 05Q4 frozen tables, except for Chem M/Rs which will be from 06Q1

FY2004 data from SDWIS/FED 04Q4 frozen tables, except for Chem M/Rs which are from 05Q1

FY2003 data from SDWIS/FED 03Q4 frozen tables, except for Chem M/Rs which are from 04Q1

FY2002 data from SDWIS/FED 02Q4 frozen tables, except for Chem M/Rs which are from 03Q1

### Number of violations

FY	MCL	MRDL	TT	M/R	Other*	Total
2006	9,242	7	2,790	67,301	19,245	98,585
2005	9,739	4	3,036	124,605	18,414	155,798
2004	5,562	6	2,168	96,225	14,459	118,420
2003	4,884	1	2,299	68,840	12,671	88,695
2002	4,693		2,408	80,635	11,759	99,495

### Number of systems in violation

FY	MCL	MRDL	TT	M/R	Other*	Total	*
2006	4,438	3	1,538	13,106	9,600	21,677	
2005	4,472	4	1,625	14,403	10,258	22,902	
2004	3,455	4	1,409	13,693	8,947	21,200	
2003	3,069	1	1,458	12,880	8,109	20,343	
2002	3,193		1,482	12,430	8,386	20,232	

### Population affected

FY	MCL	MRDL	TT	M/R	Other*	Total	*
2006	16,918,011	46,344	16,612,762	52,415,065	23,372,794	83,638,885	
2005	19,228,465	424,859	16,879,450	62,511,599	23,442,800	91,626,483	
2004	15,060,424	3,617	16,588,301	51,043,156	17,833,120	79,058,089	
2003	16,082,938	2,250	16,969,087	49,812,213	12,726,332	81,672,086	
2002	8,800,095		9,245,467	32,503,639	17,809,478	56,644,512	

## FY2006 CWS results, by system size

### Number of violations

	MCL	MRDL	TT	M/R	Other	Total
Very small	4,653		1,439	48,547	14,204	68,843
Small	2,868		829	11,532	3,530	18,759
Medium	978	5	271	4,261	885	6,400
Large	719	2	216	2,810	584	4,331
Very large	24		35	151	42	252

### Number of systems in violation

	MCL	MRDL	TT	M/R	Other	Total	*
Very small	2,400		837	8,818	6,498	13,795	
Small	1,257		417	2,855	2,125	5,148	
Medium	478	1	167	800	580	1,580	
Large	293	2	102	577	371	1,062	
Very large	10		15	56	26	92	

### Population affected

	MCL	MRDL	TT	M/R	Other	Total	*
Very small	390,967		139,946	1,369,845	998,387	2,171,384	
Small	1,839,900		638,888	3,787,468	2,849,673	7,051,980	
Medium	2,750,889	8,994	965,283	4,642,865	3,258,524	9,082,041	
Large	6,957,662	37,350	3,095,924	15,127,061	9,405,653	27,537,274	
Very large	4,978,593		11,772,721	27,487,826	6,860,557	37,796,206	

\* Totals for the number of systems in violation, and for population affected, should be lower than the sum in each row.

This is because some systems will have incurred more than one type of violation.

**Compliance information since FY2003 includes new DBP and IESWTR rules**

## NTNCWS violations reported by FY

FY2006 data from SDWIS/FED 06Q3 frozen tables

FY2005 data from SDWIS/FED 05Q4 frozen tables, except for Chem M/Rs which will be from 06Q1

FY2004 data from SDWIS/FED 04Q4 frozen tables, except for Chem M/Rs which are from 05Q1

FY2003 data from SDWIS/FED 03Q4 frozen tables, except for Chem M/Rs which are from 04Q1

FY2002 data from SDWIS/FED 02Q4 frozen tables, except for Chem M/Rs which are from 03Q1

### Number of violations

FY	MCL	MRDL	TT	M/R	Other	Total
2006	1,903		827	33,512	2,063	38,305
2005	1,980	1	853	54,561	717	58,112
2004	1,381		681	37,514	538	40,114
2003	1,391		680	32,578	503	35,152
2002	1,336		720	38,805	227	41,088

### Number of systems in violation

FY	MCL	MRDL	TT	M/R	Other	Total *
2006	1,227		539	5,150	1,059	6,609
2005	1,207	1	550	5,591	491	6,822
2004	1,033		474	4,963	356	5,999
2003	1,029		495	4,758	317	5,803
2002	1,005		529	5,322	155	6,267

### Population affected

FY	MCL	MRDL	TT	M/R	Other	Total *
2006	409,163		170,672	1,674,286	277,538	2,139,678
2005	352,038	110	164,644	1,668,159	122,177	2,044,368
2004	288,280		130,242	1,402,090	88,003	1,713,877
2003	266,522		140,053	1,434,673	85,026	1,748,569
2002	302,322		165,522	1,566,034	57,016	1,897,686

## TNCWS violations reported by FY

### Number of violations

FY	MCL	MRDL	TT	M/R	Other	Total
2006	5,287		474	32,767	19,010	57,538
2005	5,043		502	37,505	4,800	47,850
2004	5,032		415	38,705	3,028	47,180
2003	5,082		573	35,005	8,640	49,300
2002	4,837		626	39,451	2,339	47,253

### Number of systems in violation

FY	MCL	MRDL	TT	M/R	Other	Total *
2006	4,082		211	15,575	6,417	21,816
2005	3,977		215	17,556	2,284	21,258
2004	3,974		195	17,334	1,697	20,680
2003	4,071		245	17,439	3,685	21,360
2002	3,858		249	19,191	1,142	22,193

### Population affected

FY	MCL	MRDL	TT	M/R	Other	Total *
2006	1,297,464		50,372	2,166,907	642,080	3,597,017
2005	542,026		86,648	2,264,085	344,411	2,816,995
2004	549,673		51,915	2,207,974	234,291	2,708,036
2003	541,950		40,518	2,160,890	340,950	2,649,642
2002	504,967		60,692	2,154,654	137,795	2,552,563

\* Totals for the number of systems in violation, and for population affected, should be lower than the sum in each row.

This is because some systems will have incurred more than one type of violation.

Compliance information since FY2003 includes new DBP and IESWTR rules

# FY2006 MCL, MRDL and TT violations reported

From SDWIS/FED 06Q3 frozen violations table

Key: # violations  
# systems  
Pop. affected

	Very small 25-500	Small 501-3,300	Medium 3,301-10,000	Large 10,001-100,000	Very Large >100,000	Total
<b>Microbials:</b> Applies to all water systems						
<b>TCR/T</b>	7,847	972	298	223	9	9,349
	5,974	780	247	176	7	7,184
	640,584	1,019,876	1,466,910	3,954,458	4,229,956	11,311,784
Applies to surface water systems that disinfect ( TNCWSs that use ClO2)						
<b>Stage 1 DBP</b>	1,527	1,989	637	168		4,321
	532	663	253	86		1,534
	104,540	1,040,109	1,410,896	1,880,893		4,436,438
Applies to surface water systems						
<b>SWTR</b>	938	308	74	61	5	1,386
	450	146	55	25	3	679
	72,670	202,606	330,107	805,610	7,686,534	9,097,527
Applies to surface water systems						
<b>IE&amp;LT1SWTR</b>	183	153	58	98	24	516
	62	82	36	39	10	229
	11,514	131,358	199,015	1,347,375	3,153,486	4,842,748
<b>Organics:</b> Applies to CWS and NTNCWS						
<b>VOC</b>	56	8	1	4		69
	22	6	1	2		31
	2,791	10,137	3,825	108,360		125,113
<b>SOC</b>	19	10	3			32
	12	6	2			20
	1,644	6,640	8,441			16,725
<b>Inorganics:</b> Applies to CWS and NTNCWS						
<b>Nitrates</b>	789	114	2	6	1	912
	466	62	1	5	1	535
	55,900	75,051	7,994	144,743	983,264	1,266,952
<b>Arsenic</b>	325	85	29	9		448
	243	67	16	4		330
	37,731	87,199	91,432	192,734		409,096
<b>Other IOC</b>	321	51	10	15		397
	113	20	8	7		148
	18,658	31,072	51,197	203,708		304,635
Applies to CWS						
<b>Radionuclides</b>	629	244	110	280	14	1,277
	208	78	38	37	2	363
	37,014	104,669	223,160	921,670	256,221	1,542,734
Applies to CWS and NTNCWS						
<b>Lead &amp; Copper</b>	1,196	287	52	23	6	1,564
	876	217	37	18	2	1,150
	128,327	281,988	212,265	529,631	932,701	2,084,912

## Acronyms:

TCR/T = Total Coliform Rule/Turbidity

SWTR = Surface Water Treatment Rule

IE&LT1SWTR = Interim Enhanced and Long Term 1 Surface Water Treatment Rule

DBP = Disinfectants By-Products Rule

VOC = Regulated volatile organic contaminants (e.g., Benzene) other than TTHMs (which are listed in DBP Rule)

SOC = Synthetic organic chemicals (e.g., Atrazine)

Other IOC = Regulated inorganic contaminants (e.g., arsenic) other than Copper, Lead, Nitrate, and Nitrite

# FY2006 Monitoring violations reported

From SDWIS/FED 06Q3 frozen violations table

Key: # violations  
# systems  
Pop. affected

	Very small 25-500	Small 501-3,300	Medium 3,301-10,000	Large 10,001-100,000	Very Large >100,000	Total
<b>Microbials:</b>	Applies to all water systems					
<b>TCR/T</b>	29,330	2,773	438	220	29	32,790
	18,131	1,806	282	180	23	20,422
	1,930,825	2,190,593	1,648,181	4,487,875	5,517,000	15,774,474

	Applies to surface water systems that disinfect ( TNCWSs that use ClO2)					
<b>Stage 1 DBP</b>	4,039	1,525	403	244	18	6,229
	1,957	748	213	154	12	3,084
	333,253	1,013,089	1,214,795	3,676,519	5,251,815	11,489,471

	Applies to surface water systems					
<b>SWTR</b>	1,474	392	93	43	8	2,010
	349	154	48	21	4	576
	66,103	192,287	260,467	736,399	1,292,000	2,547,256

	Applies to surface water systems					
<b>IE&amp;LT1SWTR</b>	388	308	78	46	13	833
	101	93	42	27	8	271
	21,669	133,807	255,765	1,046,725	4,812,677	6,270,643

<b>Organics:</b>	Applies to CWS and NTNCWS					
<b>VOC</b>	26,065	4,972	1,162	773	20	32,992
	825	185	39	30	1	1,080
	100,839	233,866	223,546	959,255	178,164	1,695,670
<b>SOC</b>	11,218	1,338	661	302		13,519
	334	66	33	22		455
	37,994	81,329	176,756	566,004		862,083

<b>Inorganics:</b>	Applies to CWS and NTNCWS					
<b>Nitrates</b>	7,560	691	134	131	16	8,532
	6,241	515	82	69	9	6,916
	646,654	627,294	432,770	2,036,417	3,283,081	7,026,216
<b>Arsenic</b>	423	94	22	19		558
	383	84	20	18		505
	52,818	121,136	104,137	525,329		803,420
<b>Other IOC</b>	2,168	459	180	153		2,960
	222	50	18	18		308
	27,845	80,118	98,684	508,961		715,608

	Applies to CWS					
<b>Radionuclides</b>	478	164	72	87	1	802
	139	49	21	15	1	225
	20,468	63,761	126,632	390,766	660,000	1,261,627

	Applies to CWS and NTNCWS					
<b>Lead &amp; Copper</b>	10,215	2,148	408	226	30	13,027
	7,130	1,580	328	189	15	9,242
	1,011,780	1,932,859	1,888,082	4,503,845	14,075,648	23,412,214

## Acronyms:

TCR/T = Total Coliform Rule/Turbidity

SWTR = Surface Water Treatment Rule

IE&LT1SWTR = Interim Enhanced and Long Term 1 Surface Water Treatment Rule

DBP = Disinfectants By-Products Rule

VOC = Regulated volatile organic contaminants (e.g., Benzene) other than TTHMs (which are listed in DBP Rule)

SOC = Synthetic organic chemicals (e.g., Atrazine)

Other IOC = Regulated inorganic contaminants (e.g., arsenic) other than Copper, Lead, Nitrate, and Nitrite

# Underground Injection Control program--inventory of wells

## Types of wells:

- Class I Deep industrial waste disposal
- Class II For oil and natural gas production
- Class III Related to mineral recovery
- Class IV Banned, inject hazardous or radioactive waste above USDWs
- Class V Generally shallow disposal wells. There are an **estimated 650,000 Class V wells nationally**

Class I through IV data from annual reporting by states and EPA Regions

The Class V estimate is based on state estimates and modeling of storm water and large capacity septic

	Class I hazardous waste wells	Class I non- hazardous waste wells	Class II wells	Class III facilities (which may contain multiple wells)	Class III wells	Class IV facilities (which may contain multiple wells)
AK		6	925			
AL			347	1	3	
AR	6	10	1,078			
AZ				3	15	
CA		6	24,955	1	73	
CO		5	787	2	35	
FL	1	136	64			
IA			1			
IL	3	1	8,949			
IN	4	7	1,340			
KS	6	44	16,371	5	157	
KY		1	3,429			
LA	17	28	3,824	15	67	
MI	9	15	1,459	3	22	
MO			211			
MS	6	1	881			
MT			897			
ND		2	377			
NE		1	704	1	1,879	
NM		5	5,577	19	104	
NV			12			
NY		1	503	6	126	
OH	10	2	2,890	3	47	1
OK		11	11,448	1	1	
OR			2			
PA		10	1,897	1	10	
SD			63			
TN			14			
TX	60	46	51,998	86	5,789	
UT			256	1	4	2
VA		3	252	1	3	1
WA			1			
WV			700	3	31	
WY		23	4,666	12	8,211	1
EPA R2 tribal			12			
EPA R6 tribal	1		2,674			
EPA R8 tribal			723			
EPA R9 tribal			542			
	122	364	146,878	164	16,577	5